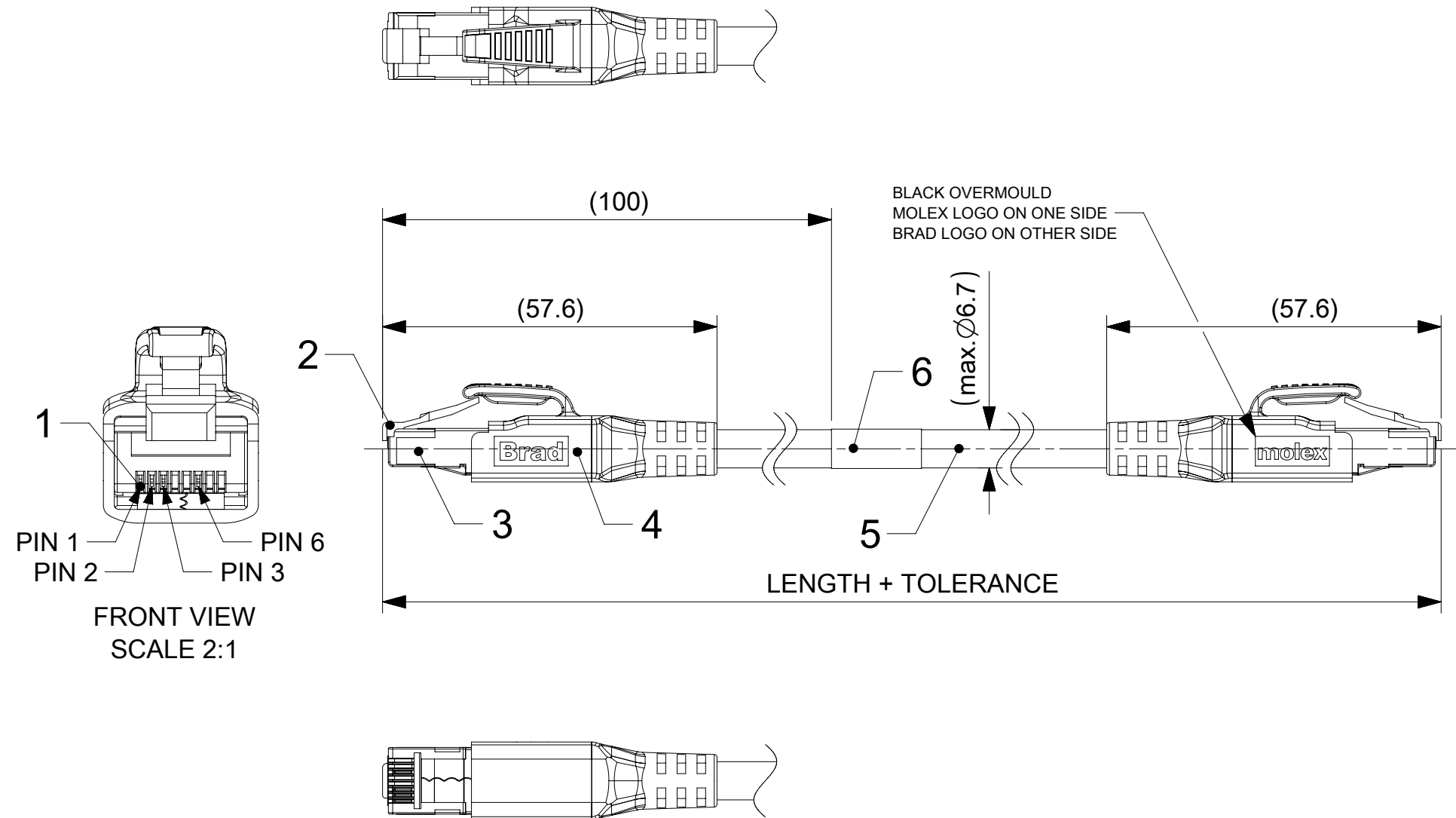
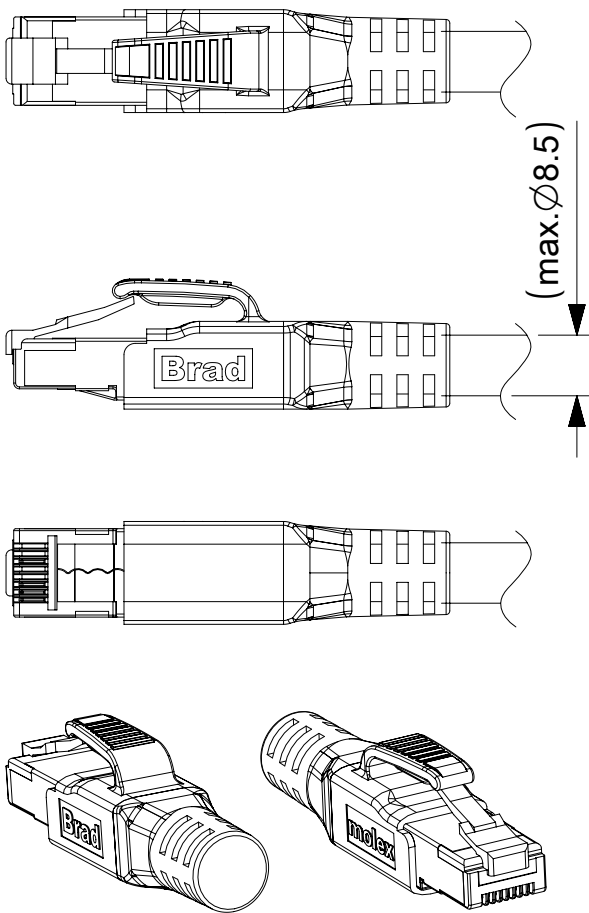


PLUG RJ45 STRAIGHT TO PLUG RJ45 STRAIGHT

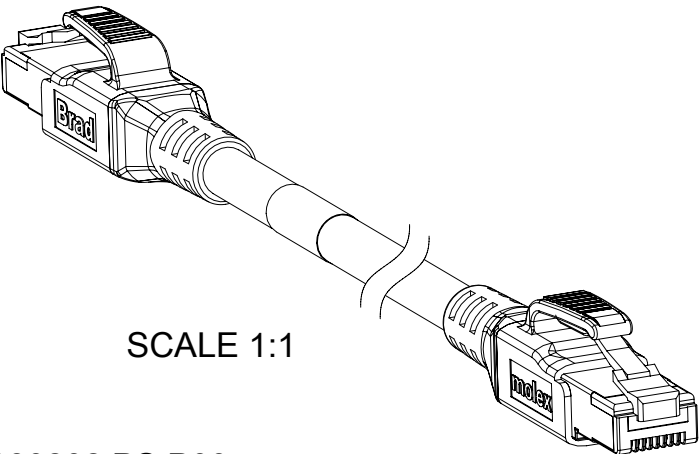
OVERMOLD VIEW FOR CABLES O.D.≤6.7mm



OVERMOLD VIEW FOR CABLES O.D.≥6.7mm



- NOTES:**
1. MATERIALS : SEE BOM TABLE
 2. FINISHES: SEE BOM TABLE
 3. ELECTRICAL DATA:
MAX. VOLTAGE RATING 60 VDC
MAX. CURRENT PER CONTACT 1.5 A
 4. ENVIRONMENTAL PARAMETERS FOR CONNECTOR:
STATIC OPERATING TEMP: -40°C to +85°C
INDEX OF PROTECTION RJ45: IP20
 5. FOR MORE INFORMATION SEE PRODUCT SPECIFIATION 1201080202 PS P00
 6. FOR CABLE 11 - ELECTRICAL TESTING ACC. TO 1201200100
TRANSMISSION TEST ACCORDING TO ISO/IEC 11801 CLASS D CHANNAL
FOR CABLE 12, 16 - ELECTRICAL TESTING ACC. TO 1201200100
TRANSMISSION TEST ACCORDING TO ISO/IEC 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C



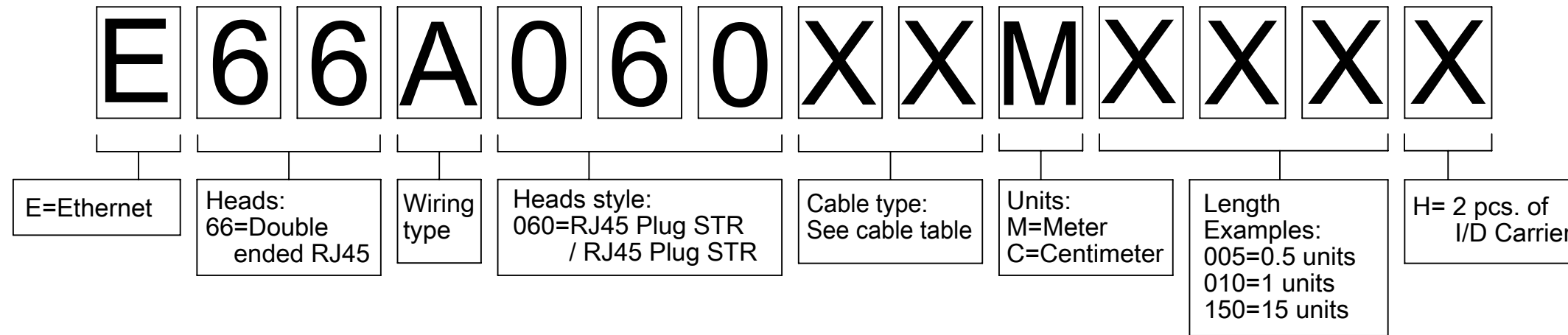
BOM

6	1	LABEL	VINYL	---
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOULDING BLACK	TPU	---
3	2	SHIELD	BRASS	TIN
2	2	PLUG RJ45 TRANSPARENT	POLYCARBONATE	---
1	8 or 16	CONTACT RJ45 MALE	PHOSPHOR BRONZE	SELECTIVE GOLD
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS F = 0 F = 0 F = 0		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
		DIMENSION UNITS		SCALE		CURRENT REV DESC: EC NO: 689781 DRWN: JMARSZALEK 2016/10/10 CHK'D: RSILLER 2021/12/21 APPR: RSILLER 2021/12/21									
		mm		1:1											
DIVISIONAL SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)				molex CSE RJ45 RJ45 8P4C MA STR XM DE									
		ANGULAR TOL ± 1.0 °													
		4 PLACES		±		PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER 1201080202 DOC TYPE PSD DOC PART 000 REVISION A									
		3 PLACES		±											
		2 PLACES		± 0.05											
		1 PLACE		± 0.3		INITIAL REVISION: DRWN: JMARSZALEK 2016/02/08 APPR: RSILLER 2021/12/21									
		0 PLACES		± 0.5											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120108		SEE PART LIST		GENERAL MARKET		1 OF 3	

NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request)

OPTIONS



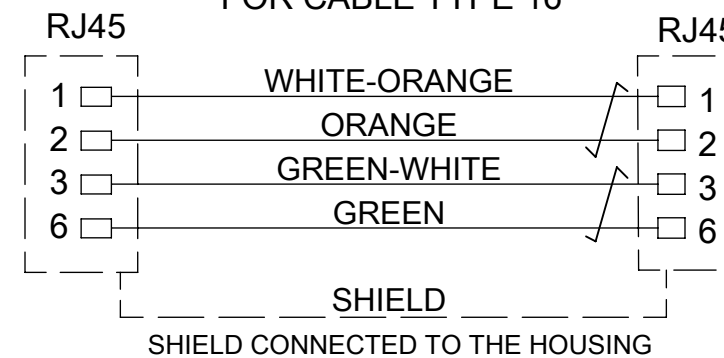
CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	CABLE O.D.	APPLICATION	CROSS SECTION	CABLE JACKET	UL	TEMP. RANGE STATIC BENDING RADIUS STATIC	TEMP. RANGE DYNAMIC BENDING RADIUS DYNAMIC	CYCLES	ADDITIONAL INFORMATION
11	6.7mm	PROFINET TYPE C	22AWG	PUR GREEN	STYLE 20236	-20°C to +60°C / min.5xO.D.	-20°C to +60°C / min.15xO.D.	about 2M	-
12	6.7mm	PROFINET TYPE B	22AWG	TPU BASED GREEN	STYLE 21215	-40°C to +80°C / min.5xO.D.	-25°C to +80°C / min.15xO.D.	about 2M min.15xO.D., -5°C to +60°C	WSOR
16	6.5mm	-	24AWG	TPU BASED TEAL	STYLE 21215	-40°C to +80°C / min.6xO.D.	-20°C to +50°C	1M min.10xO.D. / 2M min.20xO.D. @20°C	WSOR

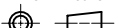
WIRING DIAGRAM FOR CABLE TYPE 11, 12



WIRING DIAGRAM FOR CABLE TYPE 16



CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	DIMENSION UNITS		SCALE		CURRENT REV DESC:	molex										
	mm		1:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL ± 1.0°															
4 PLACES		±		EC NO: 689781 DRWN: JMARSZALEK 2016/10/10 CHK'D: RSILLER 2021/12/21 APPR: RSILLER 2021/12/21		CSE RJ45 RJ45 8P4C MA STR XM DE										
3 PLACES		±														
2 PLACES		± 0.05			PRODUCT CUSTOMER DRAWING											
1 PLACE		± 0.3														
0 PLACES		± 0.5			DOCUMENT NUMBER		DOC TYPE		DOC PART	REVISION						
DIVISIONAL SYMBOLS					1201080202		PSD		000	A						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		120108		SEE PART LIST		GENERAL MARKET		2 OF 3	

	10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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F	<table><tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr><tr><td>1</td><td>1201080202</td><td>E66A06011M020</td><td>2m</td></tr><tr><td>2</td><td>1201080207</td><td>E66A06011M005</td><td>0.5m</td></tr><tr><td>3</td><td>1201080267</td><td>E66A06011M010</td><td>1m</td></tr><tr><td>4</td><td>1201080269</td><td>E66A06011M030</td><td>3m</td></tr><tr><td>5</td><td>1201080270</td><td>E66A06011M040</td><td>4m</td></tr><tr><td>6</td><td>1201080271</td><td>E66A06011M050</td><td>5m</td></tr><tr><td>7</td><td>1201080272</td><td>E66A06011M060</td><td>6m</td></tr><tr><td>8</td><td>1201080273</td><td>E66A06011M100</td><td>10m</td></tr><tr><td>9</td><td>1201080274</td><td>E66A06011M150</td><td>15m</td></tr><tr><td>10</td><td>1201080275</td><td>E66A06011M200</td><td>20m</td></tr><tr><td>11</td><td>1201080276</td><td>E66A06011M250</td><td>25m</td></tr><tr><td>12</td><td>1201080277</td><td>E66A06011M300</td><td>30m</td></tr><tr><td>13</td><td>1201080278</td><td>E66A06011M500</td><td>50m</td></tr><tr><td>14</td><td>1201080577</td><td>E66A06017M005</td><td>0.5m</td></tr><tr><td>15</td><td>1201080578</td><td>E66A06017M010</td><td>1m</td></tr><tr><td>16</td><td>1201080579</td><td>E66A06017M020</td><td>2m</td></tr><tr><td>17</td><td>1201088112</td><td>E66A06011M120</td><td>12m</td></tr><tr><td>18</td><td>1201088113</td><td>E66A06011M400</td><td>40m</td></tr><tr><td>19</td><td>1201088114</td><td>E66A06011M600</td><td>60m</td></tr><tr><td>20</td><td>1201088115</td><td>E66A06011M800</td><td>80m</td></tr><tr><td>21</td><td>1201088119</td><td>E66A06011C650</td><td>65m</td></tr><tr><td>22</td><td>1201088128</td><td>E66A06011M070</td><td>7m</td></tr><tr><td>23</td><td>1201088129</td><td>E66A06011M090</td><td>9m</td></tr><tr><td>24</td><td>1201088197</td><td>E66A06011M900</td><td>90m</td></tr><tr><td>25</td><td>1201088248</td><td>E66A06011M700</td><td>70m</td></tr><tr><td>26</td><td>1201088265</td><td>E66A06011M020H</td><td>2m</td></tr><tr><td>27</td><td>1201088280</td><td>E66A06011M010H</td><td>1m</td></tr><tr><td>28</td><td>1201088281</td><td>E66A06011M030H</td><td>3m</td></tr><tr><td>29</td><td>1201088293</td><td>E66A06012M010H</td><td>1m</td></tr><tr><td>30</td><td>1201088294</td><td>E66A06012M020H</td><td>2m</td></tr><tr><td>31</td><td>1201088295</td><td>E66A06012M050H</td><td>5m</td></tr><tr><td>32</td><td>1201088296</td><td>E66A06012M100H</td><td>10m</td></tr><tr><td>33</td><td>1201088297</td><td>E66A06012M150H</td><td>15m</td></tr><tr><td>34</td><td>1201088298</td><td>E66A06012M200H</td><td>20m</td></tr><tr><td>35</td><td>1201088300</td><td>E66A06012M030H</td><td>3m</td></tr></table>				No.	Part No.	Engineering No.	Cable Length	1	1201080202	E66A06011M020	2m	2	1201080207	E66A06011M005	0.5m	3	1201080267	E66A06011M010	1m	4	1201080269	E66A06011M030	3m	5	1201080270	E66A06011M040	4m	6	1201080271	E66A06011M050	5m	7	1201080272	E66A06011M060	6m	8	1201080273	E66A06011M100	10m	9	1201080274	E66A06011M150	15m	10	1201080275	E66A06011M200	20m	11	1201080276	E66A06011M250	25m	12	1201080277	E66A06011M300	30m	13	1201080278	E66A06011M500	50m	14	1201080577	E66A06017M005	0.5m	15	1201080578	E66A06017M010	1m	16	1201080579	E66A06017M020	2m	17	1201088112	E66A06011M120	12m	18	1201088113	E66A06011M400	40m	19	1201088114	E66A06011M600	60m	20	1201088115	E66A06011M800	80m	21	1201088119	E66A06011C650	65m	22	1201088128	E66A06011M070	7m	23	1201088129	E66A06011M090	9m	24	1201088197	E66A06011M900	90m	25	1201088248	E66A06011M700	70m	26	1201088265	E66A06011M020H	2m	27	1201088280	E66A06011M010H	1m	28	1201088281	E66A06011M030H	3m	29	1201088293	E66A06012M010H	1m	30	1201088294	E66A06012M020H	2m	31	1201088295	E66A06012M050H	5m	32	1201088296	E66A06012M100H	10m	33	1201088297	E66A06012M150H	15m	34	1201088298	E66A06012M200H	20m	35	1201088300	E66A06012M030H	3m	<table><tr><th>No.</th><th>Part 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Length</th></tr><tr><td>36</td><td>1201088301</td><td>E66A06012M300H</td><td>30m</td></tr><tr><td>37</td><td>1201088302</td><td>E66A06012M500H</td><td>50m</td></tr><tr><td>38</td><td>1201088353</td><td>E66A06012M010</td><td>1m</td></tr><tr><td>39</td><td>1201088354</td><td>E66A06012M020</td><td>2m</td></tr><tr><td>40</td><td>1201088355</td><td>E66A06012M030</td><td>3m</td></tr><tr><td>41</td><td>1201088356</td><td>E66A06012M040</td><td>4m</td></tr><tr><td>42</td><td>1201088357</td><td>E66A06012M050</td><td>5m</td></tr><tr><td>43</td><td>1201088358</td><td>E66A06012M060</td><td>6m</td></tr><tr><td>44</td><td>1201088359</td><td>E66A06012M080</td><td>8m</td></tr><tr><td>45</td><td>1201088360</td><td>E66A06012M090</td><td>9m</td></tr><tr><td>46</td><td>1201088361</td><td>E66A06012M100</td><td>10m</td></tr><tr><td>47</td><td>1201088362</td><td>E66A06012M120</td><td>12m</td></tr><tr><td>48</td><td>1201088363</td><td>E66A06012M150</td><td>15m</td></tr><tr><td>49</td><td>1201088364</td><td>E66A06012M200</td><td>20m</td></tr><tr><td>50</td><td>1201088365</td><td>E66A06012M250</td><td>25m</td></tr><tr><td>51</td><td>1201088366</td><td>E66A06012M300</td><td>30m</td></tr><tr><td>52</td><td>1201088367</td><td>E66A06012M350</td><td>35m</td></tr><tr><td>53</td><td>1201088368</td><td>E66A06012M400</td><td>40m</td></tr><tr><td>54</td><td>1201088369</td><td>E66A06012M450</td><td>45m</td></tr><tr><td>55</td><td>1201088370</td><td>E66A06012M500</td><td>50m</td></tr><tr><td>56</td><td>1201088371</td><td>E66A06012M550</td><td>55m</td></tr><tr><td>57</td><td>1201088372</td><td>E66A06012M600</td><td>60m</td></tr><tr><td>58</td><td>1201088373</td><td>E66A06012M650</td><td>65m</td></tr><tr><td>59</td><td>1201088374</td><td>E66A06012M700</td><td>70m</td></tr><tr><td>60</td><td>1201088375</td><td>E66A06012M750</td><td>75m</td></tr><tr><td>61</td><td>1201088376</td><td>E66A06012M800</td><td>80m</td></tr><tr><td>62</td><td>1201088386</td><td>E66A06012M700H</td><td>70m</td></tr><tr><td>63</td><td>1201088387</td><td>E66A06012M900H</td><td>90m</td></tr><tr><td>64</td><td>1201088393</td><td>E66A06012M002H</td><td>0.2m</td></tr><tr><td>65</td><td>1201088394</td><td>E66A06012M005H</td><td>0.5m</td></tr><tr><td>66</td><td>1201088395</td><td>E66A06012M250H</td><td>25m</td></tr><tr><td>67</td><td>1201088396</td><td>E66A06012M400H</td><td>40m</td></tr><tr><td>68</td><td>1201088397</td><td>E66A06012M600H</td><td>60m</td></tr><tr><td>69</td><td>1201088398</td><td>E66A06012M1K0H</td><td>100m</td></tr><tr><td>70</td><td>1201088474</td><td>E66A06016M010</td><td>1m</td></tr></table>				No.	Part No.	Engineering No.	Cable Length	36	1201088301	E66A06012M300H	30m	37	1201088302	E66A06012M500H	50m	38	1201088353	E66A06012M010	1m	39	1201088354	E66A06012M020	2m	40	1201088355	E66A06012M030	3m	41	1201088356	E66A06012M040	4m	42	1201088357	E66A06012M050	5m	43	1201088358	E66A06012M060	6m	44	1201088359	E66A06012M080	8m	45	1201088360	E66A06012M090	9m	46	1201088361	E66A06012M100	10m	47	1201088362	E66A06012M120	12m	48	1201088363	E66A06012M150	15m	49	1201088364	E66A06012M200	20m	50	1201088365	E66A06012M250	25m	51	1201088366	E66A06012M300	30m	52	1201088367	E66A06012M350	35m	53	1201088368	E66A06012M400	40m	54	1201088369	E66A06012M450	45m	55	1201088370	E66A06012M500	50m	56	1201088371	E66A06012M550	55m	57	1201088372	E66A06012M600	60m	58	1201088373	E66A06012M650	65m	59	1201088374	E66A06012M700	70m	60	1201088375	E66A06012M750	75m	61	1201088376	E66A06012M800	80m	62	1201088386	E66A06012M700H	70m	63	1201088387	E66A06012M900H	90m	64	1201088393	E66A06012M002H	0.2m	65	1201088394	E66A06012M005H	0.5m	66	1201088395	E66A06012M250H	25m	67	1201088396	E66A06012M400H	40m	68	1201088397	E66A06012M600H	60m	69	1201088398	E66A06012M1K0H	100m	70	1201088474	E66A06016M010	1m	<table><tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr><tr><td>71</td><td>1201088475</td><td>E66A06016M020</td><td>2m</td></tr><tr><td>72</td><td>1201088476</td><td>E66A06016M030</td><td>3m</td></tr><tr><td>73</td><td>1201088477</td><td>E66A06016M040</td><td>4m</td></tr><tr><td>74</td><td>1201088478</td><td>E66A06016M050</td><td>5m</td></tr><tr><td>75</td><td>1201088479</td><td>E66A06016M060</td><td>6m</td></tr><tr><td>76</td><td>1201088480</td><td>E66A06016M080</td><td>8m</td></tr><tr><td>77</td><td>1201088481</td><td>E66A06016M090</td><td>9m</td></tr><tr><td>78</td><td>1201088482</td><td>E66A06016M100</td><td>10m</td></tr><tr><td>79</td><td>1201088483</td><td>E66A06016M120</td><td>12m</td></tr><tr><td>80</td><td>1201088484</td><td>E66A06016M150</td><td>15m</td></tr><tr><td>81</td><td>1201088485</td><td>E66A06016M200</td><td>20m</td></tr><tr><td>82</td><td>1201088486</td><td>E66A06016M250</td><td>25m</td></tr><tr><td>83</td><td>1201088487</td><td>E66A06016M300</td><td>30m</td></tr><tr><td>84</td><td>1201088488</td><td>E66A06016M350</td><td>35m</td></tr><tr><td>85</td><td>1201088489</td><td>E66A06016M400</td><td>40m</td></tr><tr><td>86</td><td>1201088490</td><td>E66A06016M450</td><td>45m</td></tr><tr><td>87</td><td>1201088491</td><td>E66A06016M500</td><td>50m</td></tr><tr><td>88</td><td>1201088492</td><td>E66A06016M550</td><td>55m</td></tr><tr><td>89</td><td>1201088493</td><td>E66A06016M600</td><td>60m</td></tr><tr><td>90</td><td>1201088494</td><td>E66A06016M650</td><td>65m</td></tr><tr><td>91</td><td>1201088495</td><td>E66A06016M700</td><td>70m</td></tr><tr><td>92</td><td>1201088496</td><td>E66A06016M750</td><td>75m</td></tr><tr><td>93</td><td>1201088497</td><td>E66A06016M800</td><td>80m</td></tr><tr><td>94</td><td>1201088528</td><td>E66A06016M850</td><td>85m</td></tr><tr><td>95</td><td>1201088529</td><td>E66A06016M900</td><td>90m</td></tr><tr><td>96</td><td>1201088532</td><td>E66A06016M005</td><td>0.5m</td></tr><tr><td>97</td><td>1201088554</td><td>E66A06012M003</td><td>0.3m</td></tr><tr><td>98</td><td>1201088555</td><td>E66A06012M006</td><td>0.6m</td></tr><tr><td>99</td><td>1201088556</td><td>E66A06016M003</td><td>0.3m</td></tr><tr><td>100</td><td>1201088557</td><td>E66A06016M006</td><td>0.6m</td></tr><tr><td>101</td><td></td><td></td><td></td></tr><tr><td>102</td><td></td><td></td><td></td></tr><tr><td>103</td><td></td><td></td><td></td></tr><tr><td>104</td><td></td><td></td><td></td></tr><tr><td>105</td><td></td><td></td><td></td></tr></table>				No.	Part No.	Engineering No.	Cable Length	71	1201088475	E66A06016M020	2m	72	1201088476	E66A06016M030	3m	73	1201088477	E66A06016M040	4m	74	1201088478	E66A06016M050	5m	75	1201088479	E66A06016M060	6m	76	1201088480	E66A06016M080	8m	77	1201088481	E66A06016M090	9m	78	1201088482	E66A06016M100	10m	79	1201088483	E66A06016M120	12m	80	1201088484	E66A06016M150	15m	81	1201088485	E66A06016M200	20m	82	1201088486	E66A06016M250	25m	83	1201088487	E66A06016M300	30m	84	1201088488	E66A06016M350	35m	85	1201088489	E66A06016M400	40m	86	1201088490	E66A06016M450	45m	87	1201088491	E66A06016M500	50m	88	1201088492	E66A06016M550	55m	89	1201088493	E66A06016M600	60m	90	1201088494	E66A06016M650	65m	91	1201088495	E66A06016M700	70m	92	1201088496	E66A06016M750	75m	93	1201088497	E66A06016M800	80m	94	1201088528	E66A06016M850	85m	95	1201088529	E66A06016M900	90m	96	1201088532	E66A06016M005	0.5m	97	1201088554	E66A06012M003	0.3m	98	1201088555	E66A06012M006	0.6m	99	1201088556	E66A06016M003	0.3m	100	1201088557	E66A06016M006	0.6m	101				102				103				104				105				<table><tr><th>No.</th><th>Part No.</th><th>Engineering No.</th><th>Cable Length</th></tr><tr><td>106</td><td></td><td></td><td></td></tr><tr><td>107</td><td></td><td></td><td></td></tr><tr><td>108</td><td></td><td></td><td></td></tr><tr><td>109</td><td></td><td></td><td></td></tr><tr><td>110</td><td></td><td></td><td></td></tr><tr><td>111</td><td></td><td></td><td></td></tr><tr><td>112</td><td></td><td></td><td></td></tr><tr><td>113</td><td></td><td></td><td></td></tr><tr><td>114</td><td></td><td></td><td></td></tr><tr><td>115</td><td></td><td></td><td></td></tr><tr><td>116</td><td></td><td></td><td></td></tr><tr><td>117</td><td></td><td></td><td></td></tr><tr><td>118</td><td></td><td></td><td></td></tr><tr><td>119</td><td></td><td></td><td></td></tr><tr><td>120</td><td></td><td></td><td></td></tr><tr><td>121</td><td></td><td></td><td></td></tr><tr><td>122</td><td></td><td></td><td></td></tr><tr><td>123</td><td></td><td></td><td></td></tr><tr><td>124</td><td></td><td></td><td></td></tr><tr><td>125</td><td></td><td></td><td></td></tr><tr><td>126</td><td></td><td></td><td></td></tr><tr><td>127</td><td></td><td></td><td></td></tr><tr><td>128</td><td></td><td></td><td></td></tr><tr><td>129</td><td></td><td></td><td></td></tr><tr><td>130</td><td></td><td></td><td></td></tr><tr><td>131</td><td></td><td></td><td></td></tr><tr><td>132</td><td></td><td></td><td></td></tr><tr><td>133</td><td></td><td></td><td></td></tr><tr><td>134</td><td></td><td></td><td></td></tr><tr><td>135</td><td></td><td></td><td></td></tr><tr><td>136</td><td></td><td></td><td></td></tr><tr><td>137</td><td></td><td></td><td></td></tr><tr><td>138</td><td></td><td></td><td></td></tr><tr><td>139</td><td></td><td></td><td></td></tr><tr><td>140</td><td></td><td></td><td></td></tr></table>				No.	Part 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<table><tr><td colspan="2">DOCUMENT STATUS</td><td>P1</td><td>RELEASE DATE</td><td>2021/12/21</td><td>11:53:05</td></tr><tr><td colspan="11">FORMAT: mcs3 REVISION: 1 DATE: 2020/01/11</td></tr></table>											DOCUMENT STATUS		P1	RELEASE DATE	2021/12/21	11:53:05	FORMAT: mcs3 REVISION: 1 DATE: 2020/01/11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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FUNCTIONAL SYMBOLS

$\nabla_A = 0$

$\nabla_E = 0$

$\nabla_F = 0$

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

± 1.0 °

4 PLACES

±

3 PLACES

±

2 PLACES

± 0.05

1 PLACE

± 0.3

0 PLACES

± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

120108

DOCUMENT NUMBER

1201080202

DOC TYPE

PSD

DOC PART

000

REVISION

A

MATERIAL NUMBER

SEE PART LIST

CUSTOMER

GENERAL MARKET

SHEET NUMBER

3 OF 3

CURRENT REV DESC:

EC NO: 689781

DRWN: JMARSZALEK

CHK'D: RSILLER

APPR: RSILLER

2016/10/10

2021/12/21

2021/12/21

INITIAL REVISION:

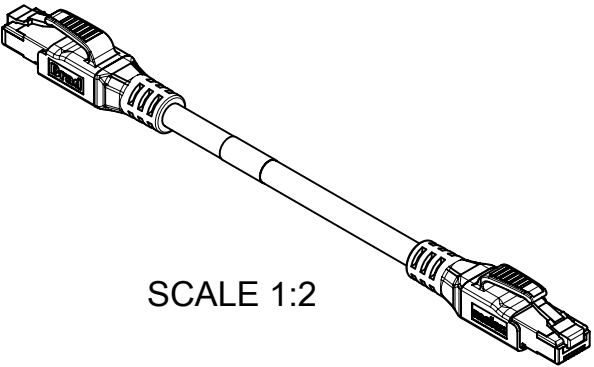
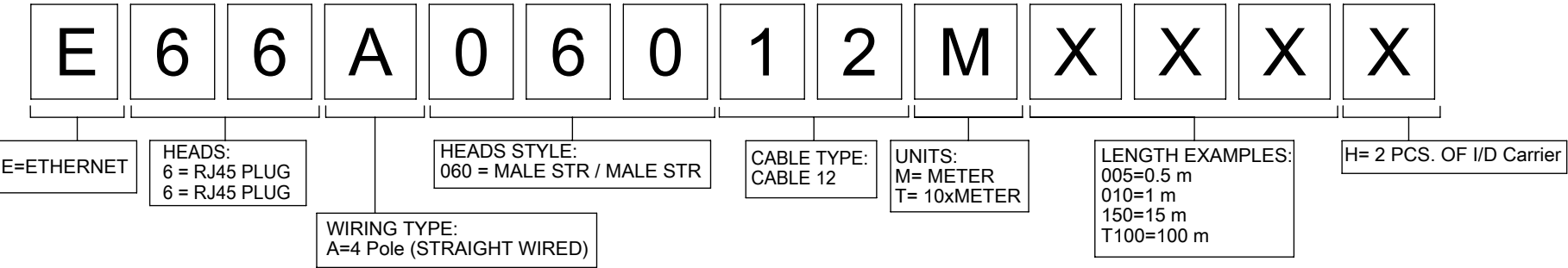
DRWN: JMARSZALEK

APPR: RSILLER

2016/02/08

2021/12/21

PART No. MATRIX



SCALE 1:2

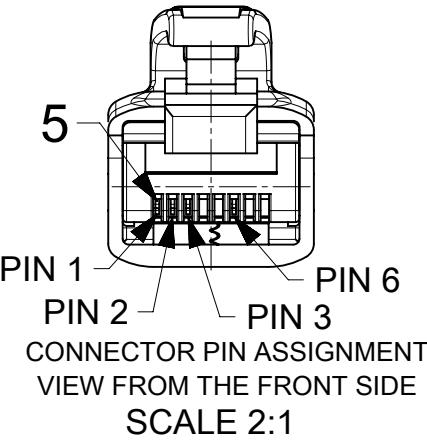
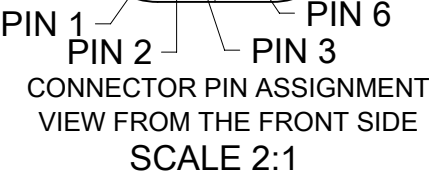
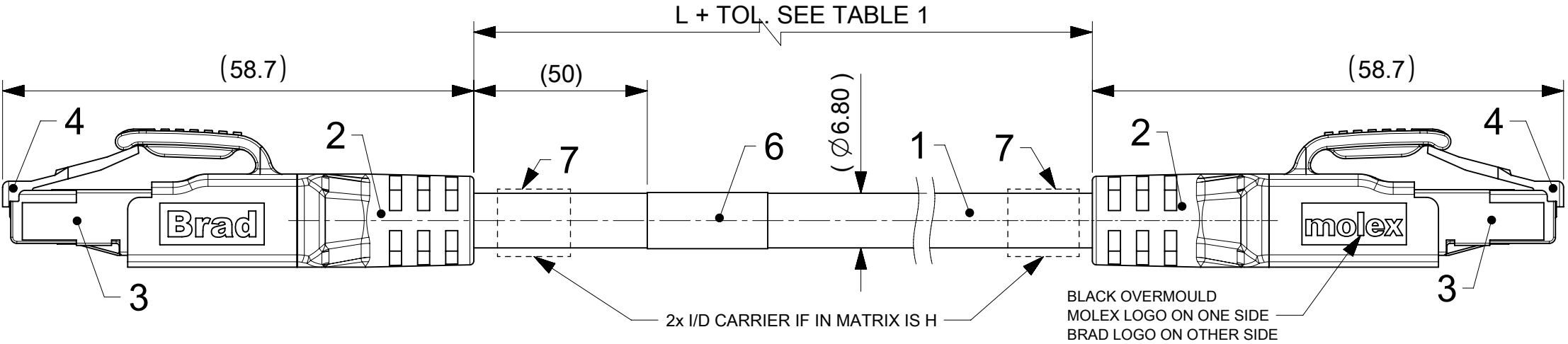


TABLE 1

MOLEX PN	ENGINEERING NO	L (m)
1201088393	E66A06012M002H	0.2
1201088554	E66A06012M003	0.3
1201088394	E66A06012M005H	0.5
1201088555	E66A06012M006	0.6
1201088353	E66A06012M010	1
1201088293	E66A06012M010H	1
1201088747	E66A06012M015	1.5
1201088354	E66A06012M020	2
1201088294	E66A06012M020H	2
1201088655	E66A06012M025	2.5
1201088355	E66A06012M030	3
1201088300	E66A06012M030H	3
1201088356	E66A06012M040	4
1201088357	E66A06012M050	5
1201088295	E66A06012M050H	5
1201088358	E66A06012M060	6
1201088748	E66A06012M070	7
1201088359	E66A06012M080	8
1201088360	E66A06012M090	9
1201088361	E66A06012M100	10
1201088296	E66A06012M100H	10
1201088362	E66A06012M120	12
1201088363	E66A06012M150	15
1201088297	E66A06012M150H	15

MOLEX PN	ENGINEERING NO	L (m)
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1201088298	E66A06012M200H	20
1201088365	E66A06012M250	25
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1201088366	E66A06012M300	30
1201088301	E66A06012M300H	30
1201088367	E66A06012M350	35
1201088368	E66A06012M400	40
1201088396	E66A06012M400H	40
1201088369	E66A06012M450	45
1201088370	E66A06012M500	50
1201088302	E66A06012M500H	50
1201088371	E66A06012M550	55
1201088372	E66A06012M600	60
1201088397	E66A06012M600H	60
1201088373	E66A06012M650	65
1201088374	E66A06012M700	70
1201088386	E66A06012M700H	70
1201088375	E66A06012M750	75
1201088376	E66A06012M800	80
1201088746	E66A06012M850	85
1201088387	E66A06012M900H	90
1201088398	E66A06012T100H	100

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/02	12:00:33
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TECHNICAL DATA :
RJ45 to RJ45 CAT5e Cordset AWG22
straight green inline 360° shielded.

Poles : 4
Max. Voltage : 30V A.C. or 42V D.C.
Max. Current : 1.5A
Contact resistance : ≤10 mΩ
Insulation Withstand : >100MΩ
Protection RJ45 / RJ45 : IP20 / IP20
Temperature range : -25°C to 85°C

Transmission characteristics
ACCORDING TO ISO 11801 CATEGORY 5e
PATCH CORD PROFINET TYPE C

Packaging :
The cordsets are packed in a polybag.

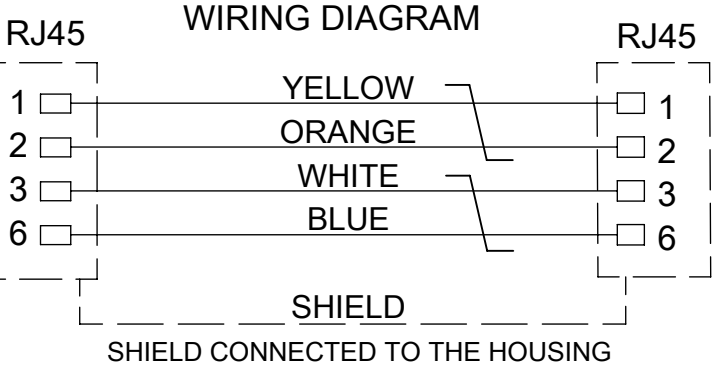


TABLE 2
CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

BOM

* NOTE : ID CARRIER APPLICABLE, IF ENGINEERING No. HAS "H" (SEE TABLE1)

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
7	2	ID CARRIER	PVC	TRANSPARENT
6	1	LABEL 2.0X1.75	VINYL	YELLOW
5	8	CONTACT RJ45	PHOSPHOR BRONZE	SELECTIVE GOLD
4	1	PLUG RJ45 TRANSPARENT	PC	-
3	1	SHIELD	BRASS	TIN
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 2x2x22AWG SHIELD	TPU	GREEN

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: INITIAL RELEASE			
		mm		3:2					
		GENERAL TOLERANCES (UNLESS SPECIFIED)							
		ANGULAR TOL ± °							
		4 PLACES		±		EC NO: 640263			
DIVISIONAL SYMBOLS		3 PLACES		±		DRWN: SSM			

molex

CSE ETH ETH 4P RJ45 STR WSOR RJ45
XM DE SHLD D6.8 GN

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1201088293

DOC TYPE
PSD

DOC PART
000

REVISION
A

RJ 45

PIN	WIRE COLOR
1	YELLOW
2	ORANGE
3	WHITE
6	BLUE

SHIELD CONNECTED TO THE HOUSING

PART No MATRIX

E

6

6

A

0

6

0

1

2

X

X

X

X

X

E=ETHERNET/
EtherCat

HEADS:
6=RJ45 PLUG
6=RJ45 PLUG

HEADS STYLE:
060=MALE STR / MALE STR

WIRING TYPE:
A=4 Pole (STRAIGHT WIRED)

CABLE TYPE:

UNITS:
M=METER
T=10x METER
C=CENTIMETER

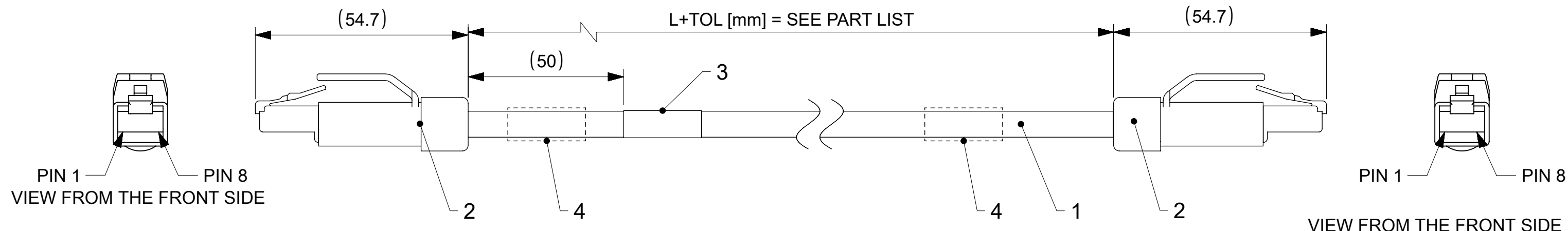
LENGTH EXAMPLES:
005=0.5
010=1
150=15

H= 2 PCS.
Z / of I/D Carrier

RJ 45

PIN	WIRE COLOR
1	YELLOW
2	ORANGE
3	WHITE
6	BLUE

SHIELD CONNECTED TO THE HOUSING



RJ45		RJ45
1	YELLOW	1
2	ORANGE	2
3	WHITE	3
6	BLUE	6
SHIELD		

BOM

4	2	ID CARRIER - SEE MATRIX	PVC	TRANSPARENT
3	1	LABEL	VINYL	YELLOW
2	2	HOUSING P20 PLUG CONNECTOR Cat5	-	-
1	-	CABLE 2x2x22AWG SHIELD	TPU	GREEN
ITEM	QTY	DESCRIPTION	MMATERIAL	FINISH/COLOR

NOTE:
1. PART LIST ON SECOND SHEET

DOCUMENT STATUS	P1	RELEASE DATE	2020/05/29	10:29:15
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FUNCTIONAL SYMBOLS
FA = 0
FE = 0
FE = 0

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

CURRENT REV DESC:

EC NO: 638569
DRWN: MKOWALCZYK01
CHK'D: DSTACHOWIAK
APPR: DSTACHOWIAK

2020/05/29
2020/05/29
2020/05/29

SCALE
1:1

DIMENSION UNITS
mm

GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING
A3-SIZE

SERIES
120108

MATERIAL NUMBER
SEE SHEET 2

CUSTOMER
GENERAL MARKET

SHEET NUMBER
1 OF 2

molex

CSE ETH ETH RJ45 WSOR RJ45 XM

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
1201088293

DOC TYPE
PSD

DOC PART
00P

REVISION
A8

	10	9	8	7	6	5	4	3	2	1	
F	PART LIST										F
E	MOLEX PN	ENGINEERING NO	L+Tol.[mm]	MOLEX PN	ENGINEEERING NO	L+Tol.[mm]	MOLEX PN	ENGINEERING NO.	L+Tol.[mm]		
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	1201088294	E66A06012M020H	2000 +60	1201088375	E66A06012M750	75000 +750	1201088829	E66A06012M350H	35000 +350		
	1201088295	E66A06012M050H	5000 +60	1201088376	E66A06012M800	80000 +800	1201088830	E66A06012M530H	53000 +530		
	1201088296	E66A06012M100H	10000 +80	1201088386	E66A06012M700H	70000 +700	1201088831	E66A06012M180H	18000 +140		
	1201088297	E66A06012M150H	15000 +140	1201088387	E66A06012M900H	90000 +900	1201088832	E66A06012M450H	45000 +450		
	1201088298	E66A06012M200H	20000 +140	1201088393	E66A06012M002H	200 +40	1201088833	E66A06012M080H	8000 +80		
	1201088300	E66A06012M030H	3000 +60	1201088394	E66A06012M005H	500 +40	1201088834	E66A06012M270H	27000 +160		
	1201088301	E66A06012M300H	30000 +160	1201088395	E66A06012M250H	25000 +160	1201088835	E66A06012M280H	28000 +160		
	1201088302	E66A06012M500H	50000 +500	1201088396	E66A06012M400H	40000 +400	1201088836	E66A06012M220H	22000 +160		
D	1201088353	E66A06012M010	1000 +40	1201088397	E66A06012M600H	60000 +600	1201088837	E66A06012M210H	21000 +160		
	1201088354	E66A06012M020	2000 +60	1201088398	E66A06012T100H	100000 +1000	1201088846	E66A06012C350H	350 +40		
	1201088355	E66A06012M030	3000 +60	1201088554	E66A06012M003	300 +40					
	1201088356	E66A06012M040	4000 +60	1201088555	E66A06012M006	600 +40					
	1201088357	E66A06012M050	5000 +60	1201088655	E66A06012M025	2500 +60					
	1201088358	E66A06012M060	6000 +80	1201088746	E66A06012M850	85000 +850					
	1201088359	E66A06012M080	8000 +80	1201088747	E66A06012M015	1500 +60					
	1201088360	E66A06012M090	9000 +80	1201088748	E66A06012M070	7000 +80					
	1201088361	E66A06012M100	10000 +80	1201088815	E66A06012M090H	9000 +80					
	1201088362	E66A06012M120	12000 +140	1201088816	E66A06012M170H	17000 +140					
C	1201088363	E66A06012M150	15000 +140	1201088817	E66A06012M060H	6000 +80					
	1201088364	E66A06012M200	20000 +140	1201088818	E66A06012M800H	80000 +800					
	1201088365	E66A06012M250	25000 +160	1201088819	E66A06012M680H	68000 +680					
	1201088366	E66A06012M300	30000 +160	1201088820	E66A06012M720H	72000 +720					
	1201088367	E66A06012M350	35000 +350	1201088821	E66A06012M320H	32000 +320					
	1201088368	E66A06012M400	40000 +400	1201088822	E66A06012M120H	12000 +140					
	1201088369	E66A06012M450	45000 +450	1201088823	E66A06012M130H	13000 +140					
	1201088370	E66A06012M500	50000 +500	1201088824	E66A06012M180H	18000 +140					